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(Ginny Blundell)

Docket No.: ASNL-P02-005  
(PATENT)

2173  
#4  
B7  
01-14-04

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Razdow et al.

Application No.: 09/989241

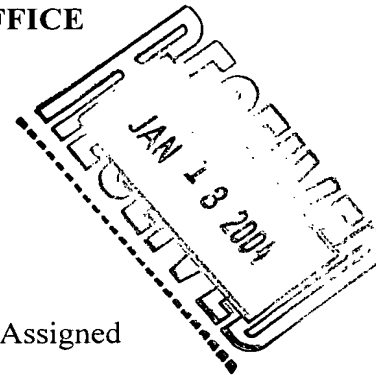
Confirmation No.:

Filed: November 20, 2001

Art Unit: 2173

For: APPARATUSES AND METHODS FOR  
MONITORING PERFORMANCE OF  
PARALLEL COMPUTING

Examiner: Not Yet Assigned



**INFORMATION DISCLOSURE STATEMENT (IDS)**

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**JAN 12 2004**

**Technology Center 2100**

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Those patent(s) or publication(s) on the attached form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in a prior application number 08/807040, filed February 24, 1997 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent,

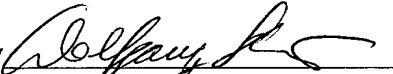
publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. ASNL-P02-005. A duplicate copy of this paper is enclosed.

Dated: January 6, 2004

Respectfully submitted,

By 

Wolfgang E. Statius

Registration No.: 40,256

ROPES & GRAY LLP

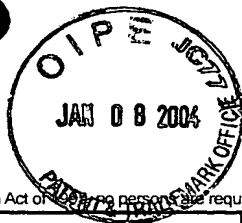
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Attorneys/Agents For Applicant



PTO/SB/08a/b (06-03)

Approved for use through 07/31/2003. OMB 0651-0031

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/989241
				Filing Date	November 20, 2001
				First Named Inventor	Allen M. Razdow
				Art Unit	2173
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	ASNL-P02-005

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4298954	11/1981	Bigelow et al.	
	AB	4803613	02/1989	Kametani et al.	
	AC	4823256	04/1989	Bishop et al.	
	AD	4937777	06/1990	Flood et al.	
	AE	5237691	08/1993	Robinson et al.	
	AF	5355492	10/1994	Frankel et al.	
	AG	5381548	01/1995	Matsuo	
	AH	5450313	09/1995	Gilbert et al.	
	AI	5481740	01/1996	Kodosky	
	AJ	5487167	01/1996	Dinallo et al.	
	AK	5568614	10/1996	Mendelson et al.	
	AL	5720018	02/1998	Muller et al.	
	AM	5721928	02/1998	Umehara et al.	
	AN	5751965	05/1998	Mayo et al.	
	AO	5790798	08/1998	Beckett, II et al.	
	AP	5838973	11/1998	Carpenter-Smith et al.	
	AQ	5903703	05/1999	Okada	
	AR	5903730	05/1999	Asai et al.	
	AS	5909681	06/1999	Passera et al.	
	AT	5987246	11/1999	Thomsen et al.	
	AU	6021457	02/2000	Archer et al.	

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FOREIGN PATENT DOCUMENTS						
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CA	Rover, D.T., "Visualization of program performance on concurrent computers," Proceedings of Compting in the 90's Conference, Kalamazoo, MI p. 154-60, 1991.		
	CB	Hackstadt, S.T., et al, "Next generation parallel performance visualization . . . , " 6th Int. PARLE Conf. 1994, West Germany p 192-201.		
	CC	Mendelson, B., et al, "An improved mapping of data flow programs on VLSI array of processors," 1987 Int. Conf. on Parallel Processing Haifa, Israel, p. 871-3.		
	CD	Ng Geok See, et al, "Neocognition Trainer--a tool for analysis of Neocognition", SPICIS'92,		

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		Examiner Name	Not Yet Assigned
		Attorney Docket Number	ASNL-P02-005
Sheet	2	of	2

		Singapore, 1992, p. 425-30.	
	CE	Sodan, Communications of the ACM, "Yin and Yang in Computer Science", vol. 41, No. 4, pp. 103-111, Apr. 1998.	
	CF	Zaki et al, SPAA, "A Localized Algorithm for Parallel Association Mining", pp321-330, 1997.	
	CG	Morrison, Flow-Based Programming, "A New Approach to Application Development", Chapters 1-29, 1994.	
	CH	Barclay et al., Sigmod Record, "Loading Databases Using Dataflow Parallelism", vol. 23, No. 4, pp. 72-83, Dec. 1994.	
	CI	Cummings et al., IEEE, "Checkpoint/Rollback in a Distibuted System Using Coarse-Grained Dataflow", pp. 424-433, 1994.	
	CJ	DeWitt et al., Communications of the ACM, "Parallel Database Systems: The Future of High Performance Database Systems", vol. 35, No. 6, pp. 85-98, Jun. 1992.	
	CK	DeWitt et al., Computer Sciences Technical Report #1079, "Parallel Database Systems: The Future of High Performance Database Systems", pp. 1-27, Feb. 1992.	
	CL	Gray et al., Morgan Kaufmann Publishers, "Transaction Processing: Concepts and Techniques", 1993.	
	CM	Lau et al., IEEE, Propagating Buffer: A New Approach to Deadlock Freedom in Store-and-Forward Networks, pp. 804-807, 1991.	
	CN	Lucco et al., ACM, "Parallel Programming With Coordination Structures", pp. 197-208, 1990.	
	CO	DeWitt et al., IEEE Transactions on Knowledge and Data Engineering, "The Gamma Database Machine Project", vol. 2, No. 1, pp. 44-63, Mar. 1990.	
	CP	DeWitt et al., The Gamma Database Machine Project, "The Gamma Database Machine Project", pp. 609-626.	
	CQ	Li et al., ACM, "Real-Time, Concurrent Checkpoint for Parallel Programs", pp. 79-88, 1990.	
	CR	Morison, R. The Third Conference on Hypercube Concurrent Computers and Applications, ACM press, Interactive performance display and debugging using the nCUBE real-time graphics system, , vol. 1, pp. 760-765. Jan. 1988.	

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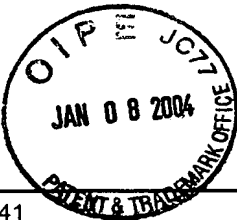
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Application No. (if known): 09/989241

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